

Morgan County
3 SE Stover

09

2219CST

National Weather Service Storm Data and Unusual Weather Phenomena



July 2003 Path Length (Miles) Time Local/ Path Width Number of Estimated Persons Damage KANSAS, Extreme Southeast **Cherokee County** 2115CST Columbus 09 0 0 Thunderstorm Wind (EG65) Law enforcement officials observed downed trees caused by thunderstorm winds. **Bourbon County** 1947CST 0 0 Hail(1.75) Mapleton 11 **Crawford County** 11 2025CST 0 Hail(1.00) Arma 0 **Bourbon County** 11 2210CST 0 Hail(1.00) Hammond 0 **Bourbon County** 0 Hail(0.75) Ft Scott 11 2210CST 0 **Bourbon County** Ft Scott 11 2220CST Hail(0.88) **Bourbon County** Ft Scott 11 2230CST 0 Hail(1.75) **Bourbon County** 11 2330CST Thunderstorm Wind (EG65) Hammond Law enforcement officials observed several trees that were downed from thunderstorm wind gusts. **Crawford County** 11 2345CST Hail(1.00) Arma 0 **Bourbon County** 0147CST Hail(0.75) Marmaton 12 0 0 **Cherokee County** Crestline 12 2345CST 0 0 Hail(0.75) **Cherokee County** 3 N Sherman 21 2220CST Hail(1.75) **Crawford County** Mc Cune 21 2220CST Hail(1.75) **Crawford County** Cherokee 21 2250CST 0 0 Hail(0.75) **Cherokee County** Hail(0.88) 21 2345CST 0 0 Treece **Crawford County** Capaldo 28 1606CST 0 0 Hail(1.00) **Crawford County** Frontenac 28 1616CST Hail(1.00) MISSOURI, Southwest **Benton County** 6 W Warsaw 09 2157CST 0 Thunderstorm Wind (EG65) Numerous trees were downed from thunderstorm wind gusts. St. Clair County Thunderstorm Wind (EG65) **5 E Appleton City** 09 2200CST 0

0

0

Hail(0.75)



Fristoe

Laclede County Bennett Spgs

11

11

1720CST

1725CST

National Weather Service Storm Data and Unusual Weather Phenomena



Hail(1.00)

Hail(0.75)

July 2003 Path Length (Miles) Time Local/ Number of Persons Path Width Estimated Damage MISSOURI, Southwest **Polk County** 2235CST Humansville 09 0 0 Thunderstorm Wind (EG60) Several trees were blown down within the community of Humansville upon passage of a severe thunderstorm. **Morgan County** 3 S Versailles 09 2241CST 0 Thunderstorm Wind (EG65) **Dallas County** 2257CST 3 N Buffalo 09 0 Thunderstorm Wind (EG65) Emergency management officials observed several trees that were downed from thunderstorm wind gusts **Greene County** Willard 09 2315CST Thunderstorm Wind (EG65) A thunderstorm outflow boundary downed a few trees within the community of Willard **Morgan County** 3 SE Gravois Mills 11 1355CST Thunderstorm Wind (EG60) **Camden County** Macks Creek 11 1645CST 0 0 Hail(0.88) **Benton County** 6 S Warsaw 11 1658CST 0 0 Hail(1.00) **Camden County** Hail(0.75) 5 E Branch 11 1710CST 0 0 **Dallas County** 2 E Tunas 11 1715CST 0 0 Thunderstorm Wind (EG65) **Benton County**

Laclede County					
Bennett Spgs	11	1725CST	0	0	Thunderstorm Wind (EG65)
		ten Ryman, age 28, suffer injuries occurred from the	U	collapsed on he	er tent. She occupied the tent along with 5 other adults. No
Hickory County					

0

0

	Law e	enforcement officials obse	rved downed trees that were blo	cking high	way BB four miles southwest of Brinktown.
Maries County 4 SW Brinktown	11	1845CST	0	0	Thunderstorm Wind (EG65)
Wright County 3 N Grovespring	11	1807CST	0	0	Hail(0.88)
Cross Timbers	11	1750CST	0	0	Hail(1.00)

Pulaski County St Robert	11	1900CST	0	0	Hail(1.00)
Douglas County 4 N Vanzant	11	1920CST	0	0	Hail(0.75)
Phelps County 3 NE Beulah	11	1930CST	0	0	Hail(0.88)
Texas County Licking	11	1945CST	0	0	Hail(0.75)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estimated Damage Property Crops	July 20 Character of Storm)03
MISSOURI, Southwes	<u>it</u>								
Vernon County 3 W Nevada	11	2015CST			0	0		Hail(0.75)	
St. Clair County Lowry City	11	2023CST			0	0		Hail(1.75)	
Phelps County Doolittle	11	2030CST			0	0		Hail(0.75)	
Shannon County 6 W West Eminence	11	2030CST			0	0		Hail(0.75)	
Barton County 4 S Mindenmines	11	2048CST			0	0		Hail(0.75)	
Shannon County 5 S Birch Tree	11	2058CST			0	0		Hail(0.88)	
Morgan County Gravois Mills	11	2118CST			0	0		Hail(1.75)	
Lawrence County Marionville		2120CST ional Weather Serv ures sustained roof						Thunderstorm Wind (EG80) he community of Marionville. Sev	veral
Christian County 3 S Highlandville	11	2123CST			0	0		Hail(0.75)	
Oregon County Alton	11	2129CST			0	0		Hail(1.00)	
Christian County Billings	11 Law e	2130CST nforcement official	s observed d	lowned trees	0 from thunde	0 erstorm w	ind gusts that were blo	Thunderstorm Wind (EG65) cking railroad tracks	
Lawrence County Aurora	11 Law e	2137CST nforcement official	s observed d	lowned powe	0 er lines cause	0 ed from th	nunderstorm wind gust	Thunderstorm Wind (EG60) s within the city of Aurora.	
Stone County Galena	11 Law e	2140CST inforcement official	s observed n	numerous do	0 wned trees a	0 across the	northern third of Stone	Thunderstorm Wind (EG60) County.	
Camden County Osage Beach	11	2145CST			0	0		Hail(0.75)	
Christian County Spokane	11	2145CST			0	0		Thunderstorm Wind (EG65)	
Stone County 4 N Crane	11	2148CST			0	0		Thunderstorm Wind (EG70)	
Barry County Exeter		2150CST tional Weather Serures experienced ro						Thunderstorm Wind (EG80) I the community of Exeter. Sev	veral
Morgan County 1 S Rocky Mt	11	2150CST			0	0		Hail(0.88)	



Number of

Estimated



July 2003

Time Local/ Path Length Path Width Persons Damage MISSOURI, Southwest **Miller County Bagnell** 11 2152CST 0 0 Hail(0.75) **Dent County** Salem 11 2155CST 0 0 Thunderstorm Wind (EG65) Law enforcement officials observed several trees and power lines that were downed from thunderstorm wind gusts. **Taney County** 2208CST 0 **Branson** 11 0 Thunderstorm Wind (EG69) A 69 mph wind gust was estimated by officials aboard the Branson Belle show boat. Some minor damage to the boat occurred from this event. **Mcdonald County** 11 2230CST 0 Thunderstorm Wind (EG65) Noel Law enforcement officials observed downed trees from thunderstorm wind gusts that were blocking highway H. **Mcdonald County** Anderson 11 2230CST 0 0 Thunderstorm Wind (EG65) Law enforcement officials observed numerous power lines that were downed from thunderstorm wind gusts. **Hickory County** 3 NW Quincy 11 2245CST Hail(2.75) Vernon County 11 2255CST 0 Hail(1.00) Nevada **Greene County** Bois D Arc 11 2300CST 0 Thunderstorm Wind (EG65) A volunteer National Weather Service observer observed several downed trees from thunderstorm wind gusts Vernon County Richards 11 2330CST 0 0 Hail(0.88) **Dade County** Lockwood 11 2355CST 0 0 Hail(0.75) **Barton County** 3 N Golden City 12 0010CST 0 Hail(0.75) **Lawrence County** 0017CST Hail(0.75) Marionville 12 **Vernon County** Milo 12 0022CST 0 Hail(1.00) **Phelps County** Rolla 12 0 Flash Flood Emergency management officials observed a foot of water crossing several low water bridges near the city of Rolla making them impassable. **Barton County** 2 SE Milford 12 0100CST Hail(1.00) **Stone County** Galena 12 0100CST Hail(0.88) **Dade County** Lockwood 12 0120CST 0 Hail(1.00) **Cedar County** 0 8 S Stockton 12 0125CST 0 Hail(0.75)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	oer of sons Injured	Estimated Damage Property Crops	Character of Storm	July 2003
MISSOURI, Southwes	<u>st</u>								
Vernon County Nevada	12	0131CST			0	0		Hail(0.75)	
Lawrence County Mt Vernon	12	0137CST			0	0		Hail(0.75)	
Lawrence County Miller	12	0155CST	-11 1 -		0	0		Thunderstorm W	ind (EG60)
Dada Countr	Law e	morcement offici	ais observed s	severai dowii	ed frees cau	sed by thu	inderstorm wind gusts.		
Dade County Greenfield	12	0200CST			0	0		Hail(1.00)	
Stone County								` ,	
Crane	12	0201CST			0	0		Hail(0.75)	
Stone County Crane	12	0202CST			0	0		Hail(1.25)	
Cedar County 1 N Stockton	12	0203CST			0	0		Hail(1.00)	
Christian County Billings	12	0205CST			0	0		Hail(0.88)	
Christian County Billings	12	0215CST			0	0		Thunderstorm W	ind (EG65)
Greene County Walnut Grove	12	0240CST 2300CST			0	0		Hail(1.00)	
Greene County 2 N Republic	12	0241CST			0	0		Hail(0.75)	
Greene County Springfield	12	0255CST 0330CST			0	0		Flash Flood	
	Law e		als observed s	several roads	on the west	side that	were inundated with fla	ash flood water.	
Greene County Willard	12	0300CST			0	0		Hail(0.75)	
Jasper County Joplin	12	0311CST			0	0		Hail(0.75)	
Greene County Springfield	12	0314CST			0	0		Hail(0.75)	
Barry County Cassville	12	0315CST			0	0		Hail(0.75)	
Greene County Springfield	12	0315CST			0	0		Hail(0.75)	
Polk County 8 WSW Bolivar	12 Severa	0315CST	ned from thun	derstorm wir	0 nd gusts acro	0 oss rural s	ections of western Polk	Thunderstorm Wa	ind (EG65)
Barry County									
3 S Cassville	12 Severe	0450CST e thunderstorms d	owned severa	l trees within	0 the commu	0 unity of Ca	assville.	Thunderstorm W	ind (EG65)
Jasper County 1 W Webb City	13	0602CST			0	0		Hail(0.88)	





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed		Estimated Damage Property Crops	Character of Storm	July 2003
MISSOURI, Southw	<u>est</u>								
Newton County 2 N Redings Mill	13	0635CST			0	0		Hail(0.88)	
Newton County Redings Mill	13	0639CST			0	0		Hail(1.75)	
Jasper County 4 SE Jasper	13	0730CST			0	0		Hail(1.00)	
Newton County 3 N Diamond	13	0755CST			0	0		Hail(2.00)	
Newton County 1 N Stark City	13	0829CST			0	0		Hail(1.75)	
Barry County Wheaton	13	0900CST			0	0		Hail(1.00)	
Mcdonald County Rocky Comfort	13	0900CST			0	0		Hail(1.00)	
Barry County Monett	13	0910CST			0	0		Hail(0.75)	
Newton County Wentworth	13	0915CST			0	0		Hail(0.75)	
Lawrence County Pierce City	13	0930CST			0	0		Hail(2.50)	
Barry County 1 W Monett	13	0935CST			0	0		Hail(1.00)	
Lawrence County Stotts City	13	1025CST			0	0		Hail(0.75)	
Vernon County 4 W Bronaugh	13	1030CST			0	0		Hail(0.88)	
Barry County Purdy	13	1105CST			0	0		Hail(2.75)	
Newton County Neosho	13	1200CST			0	0		Hail(1.00)	
Jasper County Joplin	13	1200CST			0	0		Hail(0.88)	
Newton County Granby	13	1216CST			0	0		Hail(0.75)	
Newton County Granby	13	1223CST			0	0		Hail(0.88)	
Newton County Granby	13	1224CST			0	0		Hail(0.88)	
Newton County 1 W Granby	13	1228CST			0	0		Hail(0.88)	
Newton County Granby	13	1235CST			0	0		Hail(0.88)	
Barry County Pulaskifield	13	1242CST			0	0		Hail(2.75)	
Barry County Monett	13	1248CST			0	0		Hail(2.25)	
Barry County (Umn)Monett	13	1305CST			0	0		Hail(1.75)	





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MISSOURI, Southwe	<u>est</u>								
Ozark County Gainesville	13	1444CST			0	0		Hail(0.75)	
Ozark County Wasola	13	1515CST			0	0		Hail(0.88)	
Ozark County Bakersfield	13	1523CST			0	0		Hail(0.88)	
Morgan County Versailles	18	1930CST			0	0		Hail(1.75)	
Morgan County Versailles	18	1940CST			0	0		Hail(1.75)	
Morgan County 1 N Versailles	18	1945CST			0	0		Hail(0.88)	
Morgan County Gravois Mills	18	2017CST			0	0		Hail(0.88)	
Morgan County 3 SE Versailles	18	2030CST			0	0		Hail(2.00)	
Dent County Lecoma	18	2045CST			0	0		Hail(2.00)	
Morgan County 2 N Gravois Mills	18 Thund	2045CST lerstorm wind gusts	downed a fe	ew trees that	0 blocked high	0 hway five	e	Thunderstorm W	ind (EG65)
Morgan County Rocky Mt	18	2050CST			0	0		Hail(1.75)	
Morgan County 3 NW Rocky Mt	18	2055CST			0	0		Hail(2.00)	
Morgan County Rocky Mt	18	2100CST			0	0		Hail(1.00)	
Camden County Osage Beach	18	2110CST			0	0		Hail(0.75)	
Miller County 1 E Lake Ozark	18	2110CST			0	0		Hail(1.75)	
Camden County 1 E Sunrise Beach	18	2114CST			0	0		Hail(0.88)	
Camden County Lake Ozarks West	18	2116CST			0	0		Hail(0.88)	
Camden County Osage Beach	18	2123CST			0	0		Hail(0.75)	
Oregon County 7 S Alton	18	2135CST			0	0		Hail(0.75)	
Miller County Eldon	18	2155CST 2200CST			0	0		Flash Flood	
	Severa	al streets in the com	munity of E	ldon were u	nder water fr	om heavy	y rain.		
Miller County Eldon	18	2207CST			0	0		Hail(1.00)	
Morgan County Versailles	18	2230CST 2330CST			0	0		Flash Flood	
	-	2550051	cc: . 1 ·	,				***	

Emergency management officials observed significant street flooding in the community of Versailles



Number of

Estimated



July 2003

Time Local/ Path Length Path Width Persons Damage MISSOURI, Southwest **Maries County** 5 E Vienna 18 2300CST 2310CST 0 0 Flash Flood Brief flooding was observed on highway Z east of Vienna. Miller County 2325CST Hail(1.00) Eldon 18 **Pulaski County** Swedeborg 18 2330CST Hail(0.88) Miller County Tuscumbia 19 0018CST Hail(1.75) **Texas County** Roby 19 0055CST 0 Hail(1.50) **Howell County** 4 NE Willow Spgs 19 0300CST 10K Thunderstorm Wind (EG60) Thunderstorm wind gusts blew a roof off of a farm house north of Willow Springs. **Howell County Mountain View** 19 Thunderstorm Wind (EG60) The local police department observed thunderstorm wind gusts blow down several trees and power lines in Mountain View. **Howell County** 1 W Pottersville 19 0315CST Thunderstorm Wind (EG65) **Howell County** Caulfield 19 0320CST Thunderstorm Wind (EG60) Thunderstorm wind gusts blew down several trees in the community of Caulfield. **Howell County** 19 0 0400CST 0500CST Flash Flood **Mountain View** Law enforcement officials observed several roads in the Mountain View area that were flooded over **Howell County West Plains** 0 Flash Flood 19 Significant road flooding was observed on highway 63 near the city of West Plains. **Ozark County** 3 W Wasola 1701CST Hail(1.00) 20 0 **Ozark County** Rockbridge 20 1725CST 0 Hail(0.75) **Ozark County** 20 1732CST 0 Hail(1.75) **Brixey Douglas County** Thunderstorm Wind (EG65) 1 E Gentryville 20 Law enforcement officials observed several uprooted trees from thunderstorm wind gusts **Douglas County** Drury Thunderstorm Wind (EG65) Emergency management officials observed several large tree limbs that were blown down from thunderstorm wind gusts **Douglas County** 1800CST Hail(1.00) Drury 20 **Ozark County** Dora 20 1800CST 0 Hail(1.00)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	er of ons Injured	Estimated Damage Property Crops	July 2003 Character of Storm
MISSOURI, Southwes	<u>st</u>							
Wright County Mountain Grove	20	1806CST			0	0		Hail(0.75)
Texas County 2 NW Cabool	20	1821CST			0	0		Hail(2.75)
Texas County Cabool	20	1827CST			0	0		Hail(1.00)
Ozark County Udall	20 Thund	1830CST erstorm wind gust	s downed sev	veral trees an	0 d power line	0 es in the c	ommunity of Udall.	Thunderstorm Wind (EG65)
Howell County 4 S Willow Spgs	20	1835CST erstorm wind gust			0	0	·	Thunderstorm Wind (EG60)
Howell County West Plains	20	1850CST			0	0		Hail(1.00)
Howell County West Plains	20	1850CST			0	0		Thunderstorm Wind (EG65)
Oregon County Rover	20 Severa	1917CST	ed from thun	derstorm wir	0 and gusts.	0		Thunderstorm Wind (EG60)
Jasper County Waco	21	2229CST			0	0		Hail(0.88)
Jasper County Oronogo	21	2235CST			0	0		Hail(0.75)
Newton County Ritchey	21	2307CST			0	0		Hail(1.00)
Lawrence County 1 W Pierce City	21	2315CST			0	0		Hail(1.00)
Barry County (Umn)Monett	21	2326CST			0	0		Hail(1.75)
Barry County 2 SE (Umn)Monett	21	2330CST			0	0		Hail(0.88)
Newton County 2 SE Seneca	22	0015CST			0	0		Hail(0.88)
Mcdonald County Tiff City	22	0025CST			0	0		Hail(0.75)
Greene County Fair Grove	28	1545CST			0	0		Hail(0.75)
Greene County 2 NE Walnut Grove	28	1555CST			0	0		Hail(0.75)
Polk County 2 S Brighton	28 Severa	1600CST	n down from	thunderstorn	0 n wind gusts	0 across ru	ral sections of western	Thunderstorm Wind (EG65) Polk County.
Webster County Marshfield	28	1615CST			0	0		Hail(0.75)
Barton County 5 W Golden City	28	1629CST			0	0		Hail(0.88)



Number of

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July 2003

Time Local Path Length Path Width Persons Damage MISSOURI, Southwest **Webster County** Marshfield 28 1630CST 0 0 Hail(1.00) Wright County 4 W Grovespring 28 1630CST 0 0 Thunderstorm Wind (EG60) Several trees were downed from thunderstorm wind gusts across rural sections of northwest Wright County. **Jasper County** 1657CST 2 W Jasper 28 0 0 Thunderstorm Wind (EG60) A few trees were downed from thunderstorm wind gusts. Wright County 5 NW Hartville 1701CST Hail(0.75) 28 **Greene County** 1730CST 0 Hail(0.75) 4 S Ash Grove 28 0 **Texas County** 28 1735CST 0 Thunderstorm Wind (EG60) Huggins 0 **Texas County** Houston 28 1825CST Thunderstorm Wind (EG60) **Texas County** 28 1830CST 10K Thunderstorm Wind (EG80) **Tyrone** A microburst directly affected an area near the community of Tyrone. A barn was destroyed from estimated 80 mph micro burst winds. **Texas County Tyrone** 28 1830CST 0 0 10K Thunderstorm Wind (EG80) A microburst destroyed a mobile home in the community of Tyrone. The occupant inside the home was not injured **Texas County** 0 Thunderstorm Wind (EG65) 5 N Summersville 28 1846CST 0 Law enforcement officials observed several downed trees near highway K from thunderstorm wind gusts. **Shannon County** 7 N Round Spg 28 1930CST 0 Thunderstorm Wind (EG65) Several trees were downed from thunderstorm wind gusts. **Barton County** 5 W Golden City 2229CST Thunderstorm Wind (EG60) 28 **Greene County** Springfield 31 1447CST 0 0 Hail(1.00) **Greene County** 31 0 1456CST 0 Hail(1.00) Springfield **Greene County** Springfield 31 1457CST 0 0 Hail(1.00) **Greene County** Springfield 31 1500CST 0 0 Hail(1.00) **Dallas County** Louisburg 31 1504CST 0 Hail(1.75) **Dallas County** Urbana 31 1521CST 0 0 Hail(0.88) **Greene County** Springfield 31 0 1522CST 0 Hail(0.88)





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MISSOURI, Southwest	<u>.</u>							
Dallas County Louisburg	31	1530CST			0	0		Hail(1.75)
Morgan County Gravois Mills	31 Law e	1530CST	ials observed s	several down	0 ed trees acro	0 oss much o	of southern Morgan Co	Thunderstorm Wind (EG65) county from thunderstorm wind gusts
Greene County Springfield	31	1533CST			0	0		Hail(1.00)
Webster County Rogersville	31	1543CST			0	0		Hail(2.75)
Morgan County 4 SW Rocky Mt	31	1605CST			0	0		Thunderstorm Wind (EG65)
Morgan County 4 SW Rocky Mt	31	1605CST 1630CST			0	0		Flash Flood
	Law e	enforcement offic	ials observed a	a flooded ove	r road near	the comm	unity of Rocky Mount	
Webster County Rogersville	31	1615CST			0	0		Hail(0.88)
Greene County Springfield	31	1616CST derstorm wind gu	ists downed sex	veral trees ac	0 ross eastern	0 sections o	of Springfield	Thunderstorm Wind (EG65)
Greene County (Sgf)Springfield Arpt	31	1616CST			0	0		Thunderstorm Wind (EG65)
Camden County 3 E Barnumton	31	1620CST			0	0		Hail(0.88)
Greene County Springfield	31	1631CST			0	0		Thunderstorm Wind (EG65)
Camden County Macks Creek	31	1637CST			0	0		Hail(1.75)
Taney County 2 W Branson	31	1646CST			0	0		Hail(0.75)
Greene County Springfield	31	1710CST 1800CST			0	0		Flash Flood
	Law e	enforcement offic	ials observed s	several roads	that were ir	nundated v	with flash flood water of	on the east side of Springfield.
Stone County 3 NE Kimberling City	31	1715CST			0	0		Hail(1.75)
Webster County 1 N Marshfield	31	1726CST			0	0		Hail(1.00)